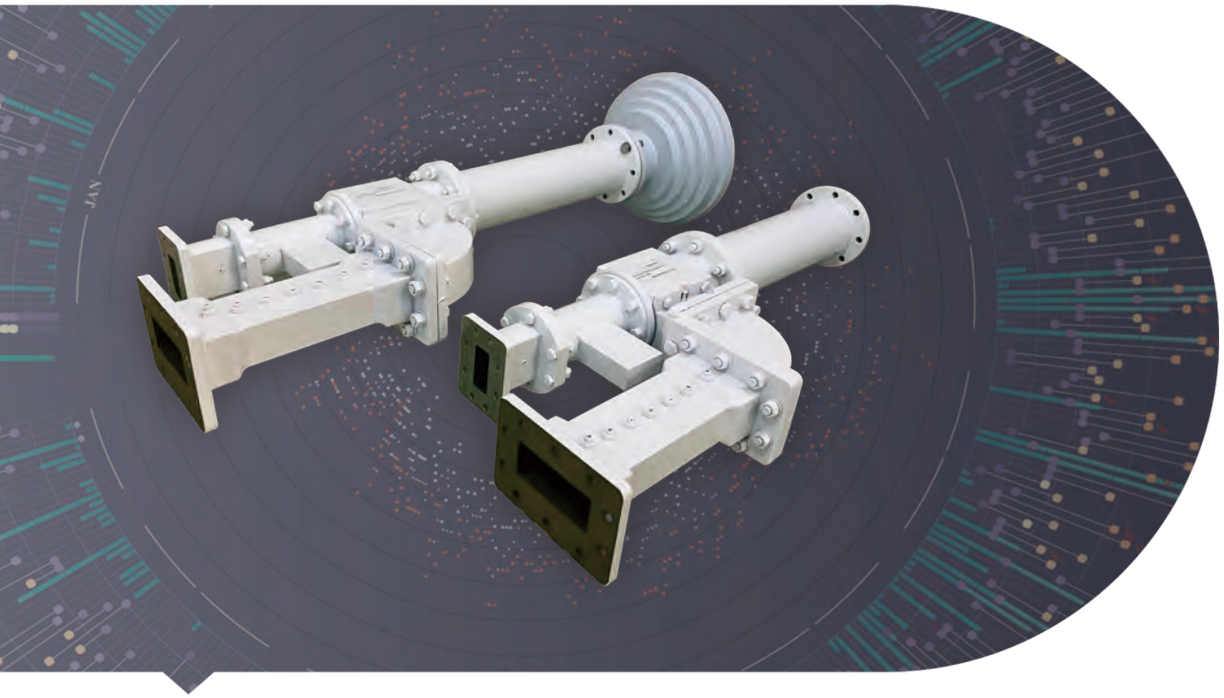
WAVEGUIDE **DIPLEXER**



Features

Frequency bands: C, X, Ku, Ka bands or others

Excellent VSWR and inserion loss

High Isolation

Material: Al, Cu

Compact structure

Description

Dolph Microwave waveguide diplexer is consisting of two receiving and transmitting ports and a common port. The common port is connected to an antenna or antenna feed. Both standard and customized can be chosen upon request.

Model	Rx Freq. (Ghz)	Tx Freq. (Ghz)	VSWR	IL (dB)	Pol. Type	Axial Ratio (dB)
DH-Diplexer-X-RT...	7.9-8.5	7.145-7.25	1.25	0.3	RHCP/LHCPHLP/VLP	0.75
DH-Diplexer-X-RT...	10-10.08	10.12-10.2	1.3	1.4	HLP/VLP	
DH-Diplexer-X-RT...	7.25-7.75	7.9-8.4	1.25	0.5	RHCP/LHCP	1
DH-Diplexer-X-RT...	7.25-7.75	7.9-8.4	1.2	0.5	HLP/VLP	1
DH-Diplexer-C-RT...	3.4-4.2	5.85-6.725	1.3	0.3	HLP/VLP	
DH-Diplexer-C-RT...	3.4-4.2	5.85-6.725	1.3	0.3	RHCP/LHCP	0.8/2.0
DH-Diplexer-C-RT...	3.4-4.2	5.7-6.75	1.3	0.2	HLP/VLP	
DH-Diplexer-C-RT...	3.4-4.8	5.8-7.025	1.4	0.35	Co-Pol. (H/V)	
DH-Diplexer-C-RT...	3.625-4.2	5.85-6.425	1.3	0.25	RHCP/LHCP	1.09/1.3
DH-Diplexer-C-RT...	4.5-4.8	6.725-7.025	1.25	0.25	HLP/VLP	1.09/1.3
DH-Diplexer-Ku-RT...	10.7-12.75	13.75-14.5	1.25	0.3	HLP/VLP	
DH-Diplexer-Ku-RT...	10.7-12.75	13.75-14.8	1.25	0.5	HLP/VLP	
DH-Diplexer-Ku-RT...	10.7-12.75	13.75-14.5	1.22	0.3	Co-Pol.(H/V)	
DH-Diplexer-DBS-RT...	10.7-12.75	17.3-18.4	1.2	0.3	Co-Pol.(H/V)	
DH-Diplexer-Ka-RT...	17.7-21.2	27.5-31.0	1.2	0.4	RHCP/LHCP	0.7/2.3

Cross-pol (dB)	Rejection (dB)	Handling Power (W)	Interface Tx/Rx	Com.Port	Material
25 35	110@7.145-7.25 40@DC-7.7 40@8.8-10.0 80@7.9-8.4	1200	WR112	WR112	Al
30	70@Tx-Rx	20	SMA	SMA	Al
25	85@Tx-Rx	1000	WR112	WG TBD	Al
25	80@Tx-Rx	300	WR112	SMA/N	Al
35	85@Tx-Rx	1000	WR229/137	WG TBD	Al
40	85@Tx-Rx	500	WR75/75	WG TBD	Al
35	85@Tx-Rx	500	WR75/75	WG TBD	Al
	90@Tx-Rx	100	WR75/75	WG TBD	Al
	90@Tx-Rx	100	WR75/62	WG TBD	Al
	85@Tx-Rx	100	WR42/28	WG TBD	Al

Ordering Information	
DH - Diplexer -Ku - RT - X - 02	
DH	Dolph Microwave
Diplexer	Diplexer
Ku	Ku-band
RT	Transceiver
X	Cross Pol.
2	Second Generation